

APPENDIX I

CONVERSION TABLES

This appendix gives the linear and liquid measure and weight equivalents of US units to metric units and vice versa. The metric system is a decimal system of weights and measures in which the gram (.0022046 pound), the meter (39.37 inches), and the liter (61.025 cubic inches) are the basic units of weight, length, and capacity respectively. Also included are conversion factors for the most commonly used measurements and weights.

LINEAR MEASURE

Kilometers to miles

(km x .621 = mi)

(km ÷ 1.609 = mi)

Miles to kilometers

(mi x 1.609 = km)

(mi ÷ .621 = km)

1 = 0.62

2 = 1.24

3 = 1.86

4 = 2.48

5 = 3.10

6 = 3.72

7 = 4.34

8 = 4.96

9 = 5.58

10 = 6.21

20 = 12.42

30 = 18.63

40 = 24.84

50 = 31.05

1 = 1.61

2 = 3.22

3 = 4.83

4 = 6.44

5 = 8.05

6 = 9.66

7 = 11.27

8 = 12.88

9 = 14.49

10 = 16.10

20 = 32.20

30 = 48.30

40 = 64.40

50 = 80.50

LIQUID MEASURE

Gallons (US) x 3.785 = liters

Gallons (US) x 0.8327 = gallons (imperial)

Gallons (US) x 3.332 = quarts (imperial)

Quarts (US) x 0.946 = liters

Quarts (US) x 0.2082 = gallons (imperial)

Quarts (US) x 0.8327 = quarts (imperial)

Pints (US) x 0.473 = liters

Liters x 0.2642 = gallons (US)

Liters x 1.057 = quarts (US)

Liters x 0.2201 = gallons (imperial)

Liters x 0.8804 = quarts (imperial)

LIQUID MEASURE (continued)

Gallons (imperial) x 1.201 = gallons (US)

Gallons (imperial) x 4.802 = quarts (US)

Gallons (imperial) x 4.545 = liters

Quarts (imperial) x 0.3001 = gallons (US)

Quarts (imperial) x 1.201 = quarts (US)

Quarts (imperial) x 1.136 = liters

WEIGHTS

Short ton (US) = 0.91 metric ton

Long ton (US) = 1.02 metric tons

Pound (US) = 0.45 kilogram

SIMPLIFIED CONVERSION FACTORS FOR QUICK COMPUTATION

The following are accurate to within 2 percent:

- Inches to centimeters -- Multiply by 10 and divide by 4.
- Yards to meters -- Multiply by 9 and divide by 10.
- Miles to kilometers -- Multiply by 8 and divide by 5.
- Gallons to liters -- Multiply by 4 and subtract 1/5 of the number of gallons.
- Pounds to kilograms -- Multiply by 5 and divide by 11.